

MENU

SEARCH

INDEX

DETAIL

1/1



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11)Publication number: 09197372

(43)Date of publication of application: 31.07.1997

(51)Int.Cl.

G02F 1/133
 G02F 1/133
 G02F 1/1335
 G09F 9/30
 H01L 33/00

(21)Application number: 08007549

(71)Applicant:

NICHIA CHEM IND LTD

(22)Date of filing: 19.01.1996

(72)Inventor:

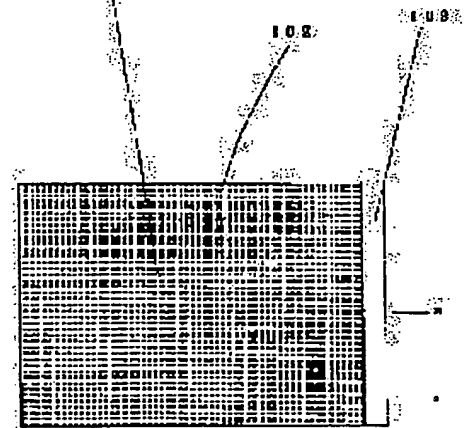
MORIGUCHI TOSHIO
YAMAMOTO HIROYUKI

(54) DISPLAY DEVICE AND DRIVING METHOD THEREFOR

(57)Abstract:

PROBLEM TO BE SOLVED: To make a display device thin in thickness, high in brightness, high in reliability and low in power consumption, and capable of making a large-screen, high-definition full-color display by performing light shield/nonshield control over a light shielding means at the time of illumination for every light emission wavelength.

SOLUTION: A multicolored light emitting means 103 constituted by arranging semiconductor light emitting elements which emit lights of R, G, and B on a substrate having a reflecting function is connected optically to a light guide plate 102. Further, a liquid crystal device as a light shielding means 101 which is driven in synchronism with the light emitting elements is arranged on the top surface of the light guide plate 102 across a diffusion film. And, the light shielding means 101 performs light shield/nonshield control over the light emission by the multicolored light emitting means 103 with an information signal synchronized with the multicolored light emitting means 103. In this case, a light emission driving means as a driving means emits lights in order for every light emission wavelength of the multicolored light emitting means and a light shield driving means is synchronized with the multicolored light emitting means 103 to make the light shielding means 101 change the light shield time of each color of one pixel according to an image signal, thereby obtaining multicolored representation with one pixel.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the
examiner's decision of rejection or application converted
registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of
rejection]

[Date of extinction of right]

Copyright (C); 1998 Japanese Patent Office

[MENU](#)[SEARCH](#)[INDEX](#)[DETAIL](#)